



Winter Storm Briefing

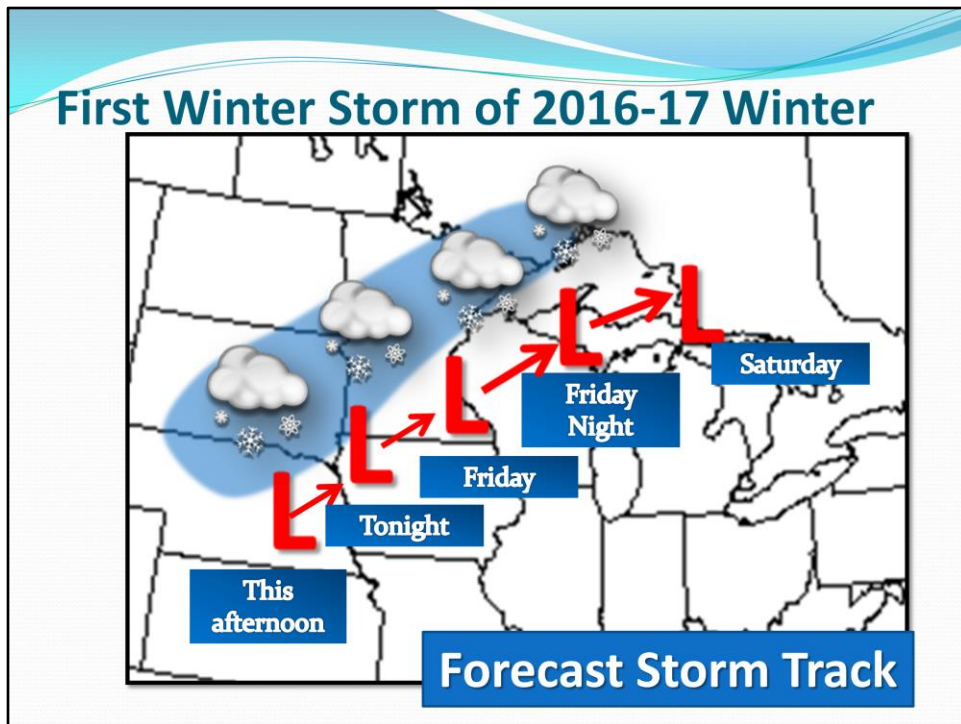
NWS Duluth

6:00 PM CST

Thursday, November 17, 2016

Main Points of Emphasis

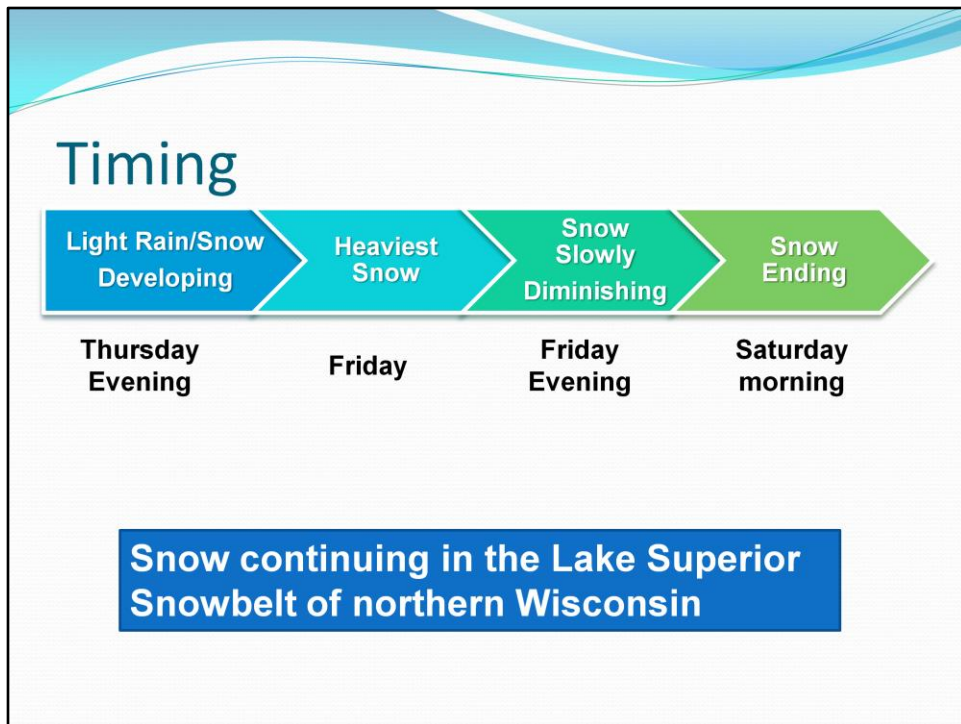
- Rain begins this evening - mixes with and changes to snow later tonight and Friday morning
- Heavy snow in most areas Friday
- Most intense snowfall rates on Friday (1-2" per hour)
- Slower change over near Lake Superior - including downtown Duluth and Superior and the north shore
- Becoming ***very windy*** area-wide



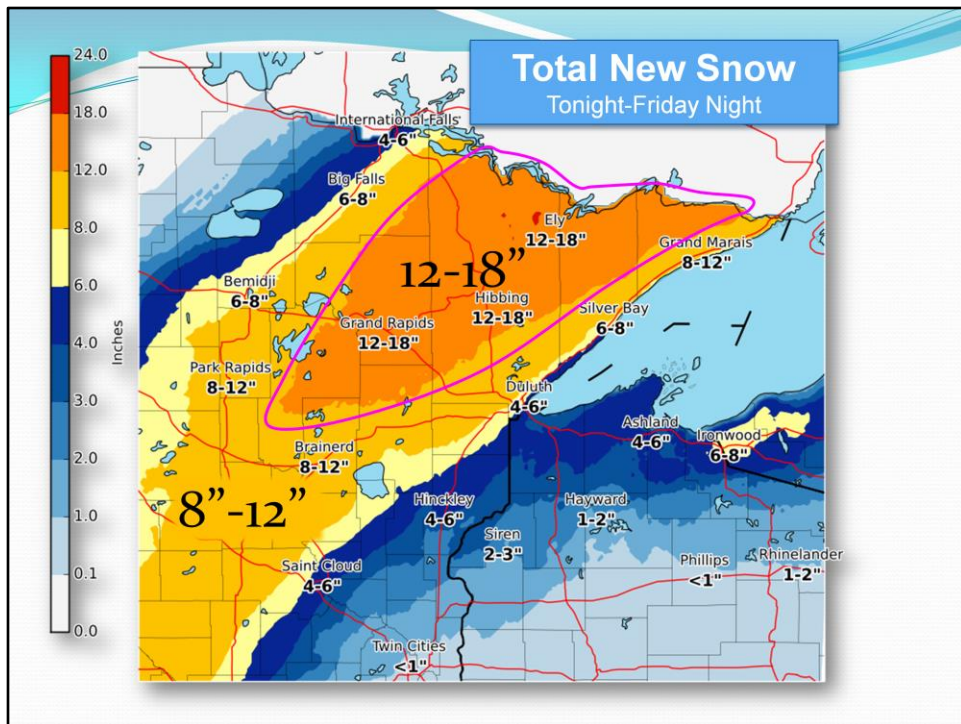
The center of low pressure is forecast to move from Nebraska tonight, to northern Wisconsin by Friday evening, and then to the eastern Upper Peninsula of Michigan by Saturday. The heaviest snow will fall to the northwest of the path of the low pressure center, from west-central and central Minnesota to the Minnesota Arrowhead Region.



A winter storm warning is in effect for all of northeastern Minnesota. A Winter Weather Advisory is in effect for far northern Wisconsin.



Light rain or a mixture of light rain and light snow will slowly expand across the area tonight - initially from the Brainerd and Walker areas to Ely, then expanding southeastward across much of the remainder of the area overnight. Rain will mix with and change to snow overnight across the north and west. It should be snowing in most areas northwest of a line from roughly Brainerd to Grand Rapids to Finland by around daybreak Friday morning.



The axis of heaviest snow is expected to fall from the Brainerd Lakes Region, northeastward through most of the Minnesota Arrowhead where widespread accumulations from 8 to 14 inches are expected, with some local amounts up to a foot and a half. The lower elevations along the north shore of Lake Superior should transition to snow later due to warmer northeast winds off the lake, and this is expected to result in much lower accumulations immediately near the north shore of Lake Superior - along the highway 61 corridor.

By Noon Friday



Gale/Storm Warnings for Lake Superior

- Windy
 - Northeast Gusts Friday to 50 mph near Lake Superior.
 - 30-40 mph elsewhere
- Gale/Storm Warnings in effect for ALL of western Lake Superior
- Waves up to 14 feet
- Gusty Northwest winds Saturday-Sunday



Temperatures: Cold Returns

Falling
Temps

- Friday: MN ~30; WI 40s/50s

Colder
Windy

- Saturday: mid 20s to lower 30s

Teens

- Sunday: Lows: single digits and teens; Highs: 20s to lower 30s

Much colder air will filter across the entire region from Friday to Sunday. Friday will see a very large temperature gradient from northwest to southeast - with highs near 30 where it will be snowing across northern Minnesota, to the lower 50s in Price County Wisconsin in the warm sector of the storm. Highs on Saturday are expected in the mid 20s to lower 30s, with lows dropping into the single digits and teens above zero Sunday morning with fresh snow cover in most areas.

High Confidence:

- Heavy Snow - late Thursday night through most of Friday
- Greatest Accumulations across almost all of northeast Minnesota
- Much colder Saturday-Sunday
- Very Windy

Lower Confidence:

- Snow amounts near Lake Superior and the north shore
- Change over time from rain to snow
- Snow Amounts over Koochiching County (large gradient from northwest to southeast)

Impacts

- Heavy, wet snow and reduced visibility
- Very windy - with some blowing snow
- Tree limbs/power lines down?
- Power outages?
- **Dangerous travel**
Friday-Friday night



There will be many hazardous impacts from this snow storm. Snow is expected to be somewhat wet and heavy and will be easily compacted on roads. This will likely lead to exceptionally slick and dangerous road conditions which will also freeze as colder air invades the region later Friday. The heavy, wet snow may also coat power lines and tree limbs. The combination of snow and wind could result in some snow-laden trees and power lines breaking, and perhaps some power outages.

Keep Informed!

www.weather.gov/dlh

 National Weather Service Duluth

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